

METHOD AND APPARATUS OF DETECTING ISI/ICSI IN AN OFDM SYSTEM

Abstract

A method for detecting inter-symbol interference (ISI) in an OFDM system includes the steps of computing a first correlation value representing the correlation between a plurality of first signals of a first symbol and a plurality of second signals of a second symbol previous to the first symbol, wherein the first and the second signals are both transmitted via the same sub-carriers; computing a second correlation value representing the correlation between the first signals and a plurality of third signals of a third symbol next to the first symbol, wherein the first and the third signals are both transmitted via the same sub-carriers; comparing the first correlation value with the second correlation value; and adjusting the timing of the boundary according to the comparison result.